

Customer No. 24498  
Serial No.: 10/084,774

PATENT  
PU020046

1FW 2618

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Paul Gothard Knutson et al.  
Serial No. : 10/084,774  
Filed : February 26, 2002  
For : SATELLITE TELEVISION SYSTEM GROUND STATION HAVING WIDEBAND  
MULTI-CHANNEL LNB CONVERTER/TRANSMITTER ARCHITECTURE  
WITH COARSE TUNER IN OUTDOOR UNIT  
Examiner : Tu X. Nguyen  
Art Unit : 2618

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

- ☐ 1 Pursuant to 37 CFR 1.97(b)  
[within 3 months of filing or prior to 1st Office Action]  
☒ 2 Pursuant to 37 CFR 1.97(c)  
[before Final Office Action or Allowance]  
☐ 3 Pursuant to 37 CFR 1.97(d)  
[after Final Office Action or Allowance, but prior to payment of Issue Fee]]

Mail Stop Amendment  
Hon. Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

The following are submitted in the above-identified application in compliance with 37 CFR 1.97 & 1.98:

☒ 4 A list of documents on form PTO/SB/08a and/or PTO/SB/08b together with copies of each identified document and a translation or a concise explanation of each non-English language document is enclosed herewith.

This paper is submitted in accordance with:

- ☐ 5 37 CFR 1.97(b): [within 3 months of filing or prior to 1st Office Action]  
☒ 6 37 CFR 1.97(c): [before Final Office Action or Allowance, whichever is earlier]; and  
[ ] (a) The required certification made in item 8(a) below; **OR**  
☒ (b) The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 9 below.  
☐ 7 37 CFR 1.97(d): [after Final Office Action or Allowance, but prior to payment of Issue Fee]; and  
[ ] (a) The required Certification made in item 8(a) below; **AND**  
[ ] (b) The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 9 below.

08/24/2007 CCHAU1 00000028 070832 10084774

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☐ 8 Certification

- ☐ (a) Each item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
- ☐ (b) No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this document after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing of this Statement.

☒ 9 Please charge the applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 07-0832. An original and one (1) copy of this document is enclosed.

Respectfully submitted,

Paul Gothard Knutson et al.

By:



Brian J. Cromarty, Attorney  
Registration No. L0027  
(609) 734-6804

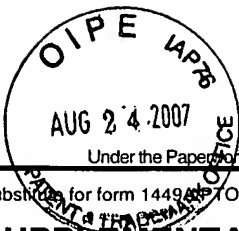
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Lori Klewin



Substitute for form 1449 PTO

**SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	10/084,774
Filing Date	February 26, 2002
First Named Inventor	Knutson et al.
Art Unit	2618
Examiner Name	Tu X. Nguyen
Attorney Docket Number	PU020046

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	AA	US- 5,825,327	10-20-1998	Krasner	
	AB	US- 5,355,532	10-11-1994	Kubo et al.	
	AC	US- 6,511,020	01-28-2003	Higgins	
	AD	US- 6,941,574	09-06-2005	Broadwin et al.	
	AE	US- 5,289,285	02-22-1994	Kotaka et al.	
	AF	US- 6,091,703	07-18-2000	Saunders et al.	
	AG	US- 6,772,434	08-03-2004	Godwin	
	AH	US- 2002/0087991	07-04-2002	Rodriguez et al.	
	AI	US- 6,097,752 (corresponds to CN1139846)	08-01-2000	Wiedeman et al.	
	AJ	US- 2002/0122511	09-05-2002	Kwentus et al.	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	AK	WO 00/28665	05-18-2000	DSPC Technologies Ltd		
	AL	JP 11112376	04-23-1999	Mitsumi Electric Co Ltd		
	AM	JP 03097385	04-23-1991	Nippon Hoso Kyokai		
	AN	CN 1139846 (corresponds to US6097752)	01-08-1997	Globalstar LP		
	AO	CN 1239848 (corresponds to EP0955737)	12-29-1999	Loral Spacecom Corp		
	AP	EP 0955737 (corresponds to CN1239848)	05-06-2004	Loral Spacecom Corp		

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 2 of 2

**Complete if Known**

Application Number	10/084,774
Filing Date	February 26, 2002
First Named Inventor	Knutson et al.
Art Unit	2618
Examiner Name	Tu X. Nguyen
Attorney Docket Number	PU020046

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	AQ	SNAP Lab, Principals and Practice of GPS Surveying, 2/1999, <a href="http://www.gmat.unsw.edu.au/snap/gps/gps_survey/principles_gps.htm">http://www.gmat.unsw.edu.au/snap/gps/gps_survey/principles_gps.htm</a>	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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